## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(("3669377") or ("4074553") or ("4242892") or ("4332155")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:35
L2	7	("1904329"   "1935999"   "2915089"   "4242892").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:38
L3	9	("3395560"   "3452785"   "3469429"   "3873040"   "4074553"   "4189106").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:38
L4	5	("0300990"   "3469429"   "3857590").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:39
L5	8	("3469429").URPN.	USPAT	OR	OFF	2006/07/06 14:39
L6	4	("3191638"   "3263309").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:42
L7	7	("3669377").URPN.	USPAT	OR	OFF	2006/07/06 14:42
L8	10	("3039715"   "3669377"   "4189106"   "4242892"   "4432503"   "4765556"   "5024390"   "5312065"   "5911381").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:43
L9	11	("2833329"   "3270979"   "3563488"   "3669377"   "3843072"   "4242892"   "4765556"   "4944469"   "5018678").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:43
L10	9	("0501251"   "2997249"   "3563488"   "3669377"   "3703261"   "3843072"   "4353513").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:44
L11	4	("2997249"   "3638278"   "3780963").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:49
L12	1	("4944469").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:49
L13	9	("0501251"   "2997249"   "3563488"   "3669377"   "3703261"     "3843072"   "4353513").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:56
L14	3611	laying with pipe	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:57
L15	96490	multilayer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:57

## **EAST Search History**

L16	1	14 same 15	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:58
L17	223709	spiral	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 14:58
L18	218	14 and 17	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:05
L19	1825	((138/142) or (138/141) or (138/dig.11)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:06
L20	1547	(138/109).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:06
L21	305	(72/66).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:06
L22	1285	((242/361) or (242/615.3)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:07
L23	631070	weld or welded or soldered or solder	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:08
L24	1359	14 and 23	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:10
L25	557	14 same 23	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:10
L26	527	25 not 18	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:21
L27	3402	19 or 21 or 22	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:21
L28	48	14 and 27	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:25
L29	402	27 and 23	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:22
L30	23890	chamfer or chamferred	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:22

## **EAST Search History**

			<del>-</del>			
L31	29	20 and 30	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:24
L32	12	27 and 30	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:24
L33	2	("4353513"   "6179237").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:31
L34	638	31 or 32 or 28 or 25	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:31
L35	87	31 or 32 or 28	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:31
L36	378	29 not 35	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:50
L37	465	29 or 35	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:50
L38	267	21 not 37	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:50
L39	6	("4047543"   "4052498"   "4074553"   "4332155"   "4353513"   "4765556").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:54
L40	732	21 or 37	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:55
L41	1180	22 not 40	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:58
L42	1912	22 or 40	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:58
L43	1518	19 not 42	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/06 15:58